

# Publications for Vasileios Chatzaras

## 2019

Tikoff, B., Chatzaras, V., Newman, J., Roberts, N. (2019). Big data in microstructure analysis: Building a universal orientation system for thin sections. *Journal of Structural Geology*, Article in press. <a href="http://dx.doi.org/10.1016/j.jsg.2018.09.019">[More Information]</a>

Stewart, E., Newman, J., Tikoff, B., Donnelly, S., German, L., Chatzaras, V., Lamb, W., Miller, B., Kruckenberg, S. (2019). Coupled deformation and melt-migration events recording subduction initiation, Dun Mountain ophiolite, New Zealand. In A.H.F. Robertson (Eds.), *Paleozoic to Mesozoic Geology of South Island, New Zealand: Subduction-related Processes Adjacent to SE Gondwana*, (pp. 1-378). London: Geological Society of London. <a href="http://dx.doi.org/10.1144/M49.7">[More Information]</a>

Gerogiannis, N., Xypolias, P., Chatzaras, V., Aravadinou, E., Papapavlou, K. (2019). Deformation within the Cycladic subduction and exhumation channel: new insights from the enigmatic Makrotantalos nappe (Andros, Aegean). *International Journal of Earth Sciences*, Early access. <a href="http://dx.doi.org/10.1007/s00531-019-01680-3">[More Information]</a>

## 2018

Xypolias, P., Gerogiannis, N., Chatzaras, V., Papapavlou, K., Kruckenberg, S., Aravadinou, E., Michels, Z. (2018). Using incremental elongation and shearing to unravel the deformation path in a complex transpressional zone. *Journal of Structural Geology*, 115, 64-81. <a href="http://dx.doi.org/10.1016/j.jsg.2018.07.004">[More Information]</a>

## 2017

van der Werf, T., Chatzaras, V., Kriegsman, L., Kronenberg, A., Tikoff, B., Drury, M. (2017). Constraints on the rheology of the lower crust in a strike-slip plate boundary: Evidence from the San Quintin xenoliths, Baja California, Mexico. *Solid Earth*, 8(6), 1211-1239. <a href="http://dx.doi.org/10.5194/se-8-1211-2017">[More Information]</a>

## 2016

Chatzaras, V., Kruckenberg, S., Cohen, S., Medaris Jr., L., Withers, A., Bagley, B. (2016). Axial-type olivine crystallographic preferred orientations: The effect of strain geometry on mantle texture. *Journal of Geophysical Research: Solid Earth*, 121(7), 4895-4922. <a href="http://dx.doi.org/10.1002/2015JB012628">[More Information]</a>

Aravadinou, E., Xypolias, P., Chatzaras, V., Iliopoulos, I., Gerogiannis, N. (2016). Ductile nappe stacking and refolding in the Cycladic Blueschist Unit: insights from Sifnos Island (south Aegean Sea). *International Journal of Earth Sciences*, 105(7), 2075-2096. <a href="http://dx.doi.org/10.1007/s00531-015-1255-2">[More Information]</a>

Chatzaras, V., Dorr, W., Gerdes, A., Krahl, J., Xypolias, P., Zulauf, G. (2016). Tracking the late Paleozoic to early Mesozoic margin of northern Gondwana in the Hellenides: paleotectonic constraints from U-Pb detrital zircon ages.

*International Journal of Earth Sciences*, 105(7), 1881-1899. <a href="http://dx.doi.org/10.1007/s00531-016-1298-z">[More Information]</a>

Zulauf, G., Dorr, W., Krahl, J., Lahaye, Y., Chatzaras, V., Xypolias, P. (2016). U-Pb zircon and biostratigraphic data of high-pressure/low-temperature metamorphic rocks of the Talea Ori: tracking the Paleotethys suture in central Crete, Greece. *International Journal of Earth Sciences*, 105(7), 1901-1922. <a href="http://dx.doi.org/10.1007/s00531-016-1307-2">[More Information]</a>

## 2015

Zulauf, G., Dorr, W., Fisher-Spurlock, S., Gerdes, A., Chatzaras, V., Xypolias, P. (2015). Closure of the Paleotethys in the External Hellenides: Constraints from U-Pb ages of magmatic and detrital zircons (Crete). *Gondwana Research*, 28(2), 642-667. <a href="http://dx.doi.org/10.1016/j.gr.2014.06.011">[More Information]</a>

Chatzaras, V., Tikoff, B., Newman, J., Withers, A., Drury, M. (2015). Mantle strength of the San Andreas fault system and the role of mantle-crust feedbacks. *Geology*, 43(10), 891-894. <a href="http://dx.doi.org/10.1130/G36752.1">[More Information]</a>

## 2013

Xypolias, P., Chatzaras, V., Beane, R., Papadopoulou, S. (2013). Heterogeneous constrictional deformation in a ductile shear zone resulting from the transposition of a lineation-parallel fold. *Journal of Structural Geology*, 52(1), 44-59. <a href="http://dx.doi.org/10.1016/j.jsg.2013.05.001">[More Information]</a>

Chatzaras, V., Xypolias, P., Kokkalas, S., Koukouvelas, I. (2013). Tectonic evolution of a crustal-scale oblique ramp, Hellenides thrust belt, Greece. *Journal of Structural Geology*, 57, 16-37. <a href="http://dx.doi.org/10.1016/j.jsg.2013.10.003">[More Information]</a>

Chatzaras, V., Dorr, W., Finger, F., Xypolias, P., Zulauf, G. (2013). U-Pb single zircon ages and geochemistry of metagranitoid rocks in the Cycladic Blueschists (Evia Island): Implications for the Triassic tectonic setting of Greece. *Tectonophysics*, 595-596, 125-139. <a href="http://dx.doi.org/10.1016/j.tecto.2012.05.016">[More Information]</a>

## 2012

Xypolias, P., Iliopoulos, I., Chatzaras, V., Kokkalas, S. (2012). Subduction- and exhumation-related structures in the Cycladic Blueschists: Insights from south Evia Island (Aegean region, Greece). *Tectonics*, 31(2), 1-22. <a href="http://dx.doi.org/10.1029/2011TC002946">[More Information]</a>

## 2011

Chatzaras, V., Xypolias, P., Kokkalas, S., Koukouvelas, I. (2011). Oligocene-Miocene thrusting in central Aegean: insights from the Cycladic island of Amorgos. *Geological Journal*, 46(6), 619-636. <a href="http://dx.doi.org/10.1007/s00531-011-0619-6">[More Information]</a>

<http://dx.doi.org/10.1002/gj.1304>>[More Information]</a>

## 2010

Xypolias, P., Spanos, D., Chatzaras, V., Kokkalas, S., Koukouvelas, I. (2010). Vorticity of flow in ductile thrust zones: examples from the Attico-Cycladic Massif (Internal Hellenides, Greece). *Geological Society, London, Special Publications*, 335, 687-714. <a

<http://dx.doi.org/10.1144/SP335.28>>[More Information]</a>

## 2007

Xypolias, P., Chatzaras, V., Koukouvelas, I. (2007). Strain gradients in zones of ductile thrusting: insights from the External Hellenides. *Journal of Structural Geology*, 29, 1522-1537. <a

<http://dx.doi.org/10.1016/j.jsg.2007.05.006>>[More Information]</a>

## 2006

Chatzaras, V., Xypolias, P., Doutsos, T. (2006). Exhumation of high-pressure rocks under continuous compression: a working hypothesis for southern Hellenides (central Crete, Greece). *Geological Magazine*, 143(6), 859-876. <a

<http://dx.doi.org/10.1017/S0016756806002585>>[More Information]</a>